

FIG.1A

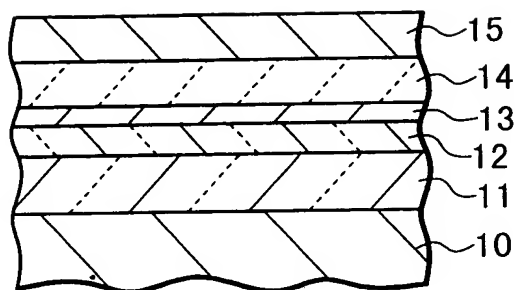


FIG.1B

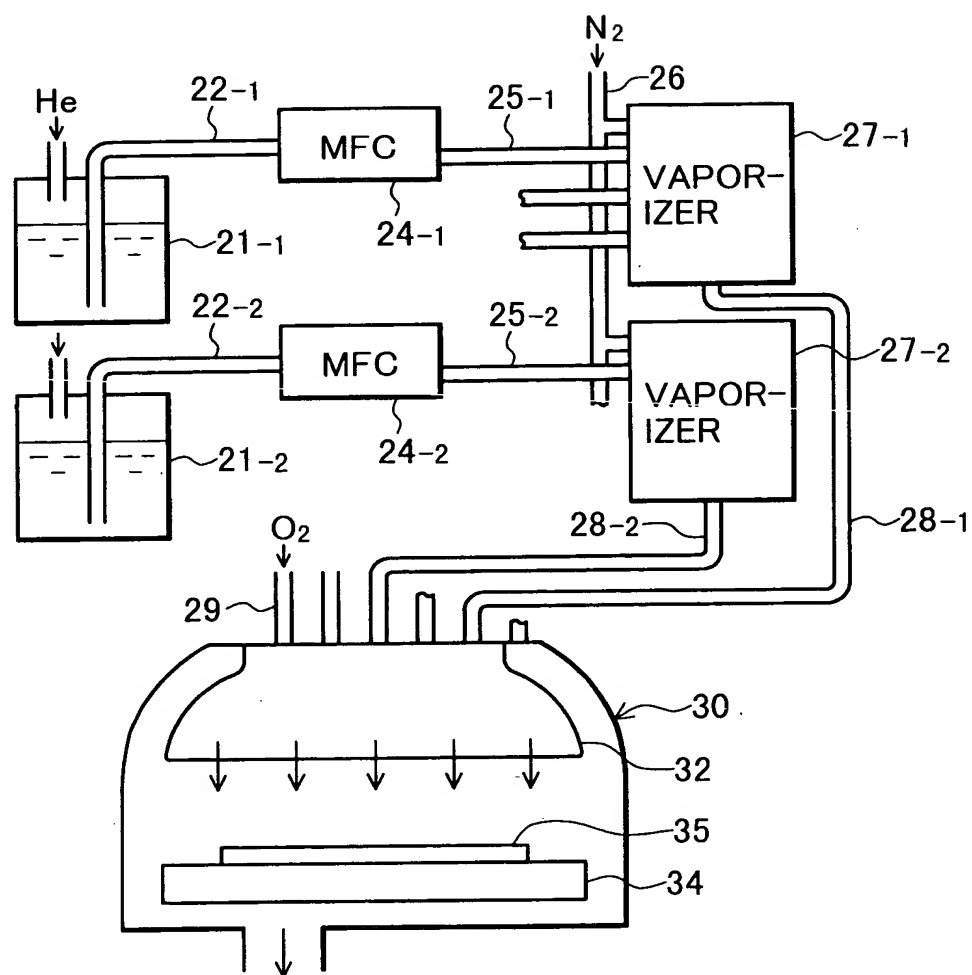


FIG.1C

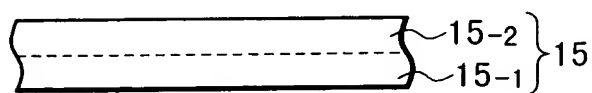


FIG.1D

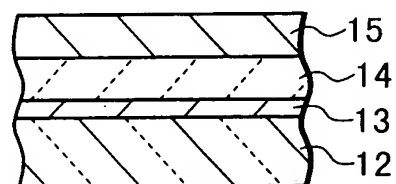


FIG.2A $\text{Mg}(\text{DPM})_2$

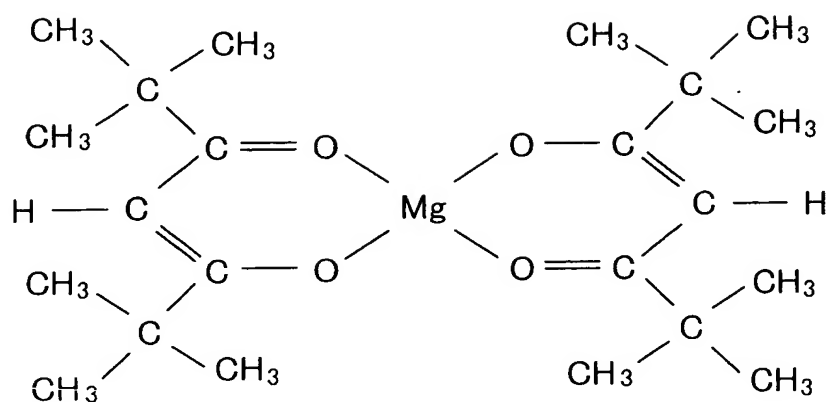
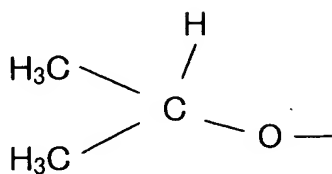
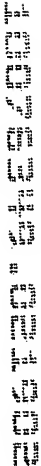


FIG.2B i-PrO



Ref.	Material	Temperature (K)	Frequency (Hz)	Modulus (GPa)	Loss Modulus (GPa)	Phase Angle (deg)	Storage Modulus (GPa)	Loss Modulus (GPa)	Phase Angle (deg)
[1]	Aluminum	293	100	70	0.01	0.01	70	0.01	0.01
[2]	Steel	293	100	200	0.01	0.01	200	0.01	0.01
[3]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[4]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[5]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[6]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[7]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[8]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[9]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[10]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[11]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[12]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[13]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[14]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[15]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[16]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[17]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[18]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[19]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[20]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[21]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[22]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[23]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[24]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[25]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[26]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[27]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[28]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[29]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[30]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[31]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[32]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[33]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[34]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[35]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[36]	CFRP	293	100	150	0.01	0.01	150	0.01	0.01
[37]	FRP	293	100	100	0.01	0.01	100	0.01	0.01
[38]	Carbon Fiber	293	100	150	0.01	0.01	150	0.01	0.01
[39]	Kevlar	293	100	120	0.01	0.01	120	0.01	0.01
[40]	GFRP	293	100	100	0.01	0.01	100	0.01	0.01
[41]	CFRP	293							



This cross-sectional view shows a semiconductor device with a substrate 10. A gate stack 12 is formed on the substrate, comprising a gate dielectric 13, a gate electrode 14, and a gate cap 15. A contact plug 19 is formed in a trench in the gate stack, extending through the gate cap 15, gate electrode 14, and gate dielectric 13 to the substrate 10. The contact plug 19 is surrounded by a conductive layer 18. A conductive layer 40 is formed on the substrate 10, and a conductive layer 48 is formed on the conductive layer 40. A conductive layer 59 is formed on the conductive layer 48. A conductive layer 55 is formed on the conductive layer 59. A conductive layer 49 is formed on the conductive layer 55. A conductive layer 46 is formed on the conductive layer 49. A conductive layer 44 is formed on the conductive layer 46. A conductive layer 41 is formed on the conductive layer 44. A conductive layer 42 is formed on the conductive layer 41. A conductive layer 43 is formed on the conductive layer 42. A conductive layer 45 is formed on the conductive layer 43. A conductive layer 49 is formed on the conductive layer 45.

